CLAIM LISTING

1. (Previously Presented) An integrated development tool for constructing a server-side proxy for interacting with a wireless, mobile device, said integrated development tool comprising:

a combination of computer hardware and software, including a processor;

at least one module, wherein said at least one module is configured to execute upon said processor and to generate program code to perform a specific function of the server-side proxy, and wherein said module includes a datagram packet application programming interface configured to enable an application developer to specify a length of fragmentation and specify routing of fragmented data to a destination address and port number; and

means for accessing said at least one module.

2. (Original) The integrated development tool of claim 1, wherein said means for accessing functions comprise a wizard module for receiving user specified attributes of said server-side proxy, wherein said wizard module controls operation of said at least one module to automatically generate program code specifying a programmatic architecture for the server-side proxy according to the user specified attributes.

3. (Original) The integrated development tool of claim 1, wherein said means for accessing functions comprise a toolbar having at least one icon that can be activated via user input.

4. (Original) The integrated development tool of claim 1, wherein said at least one module is configured to generate program code to extract text from a markup language document.

5. (Original) The integrated development tool of claim 1, wherein said at least one module is configured to generate program code to packetize data according to a type of wireless communications link over which the data is to be sent.

6. (Original) The integrated development tool of claim 1, wherein said at least one module is configured to generate program code to convert images from a first graphics format to a second graphics format, wherein the second graphics format is suitable for transmission over a wireless communications link to a mobile device.

7. (Original) The integrated development tool of claim 1, wherein said at least one module is configured to generate program code to receive a request originating from the mobile device and generate a hypertext transfer protocol request to an appropriate target.

8. (Original) The integrated development tool of claim 1, wherein said at least one module is configured to generate program code to maintain user profiles within a data source accessible to the server-side proxy.

9. (Original) The integrated development tool of claim 1, wherein said at least one module is configured to generate program code to manipulate data strings for encoding and decoding data.

10. (Original) The integrated development tool of claim 1, further comprising a module configured to search a Universal Description, Discovery, and Integration registry.

11. (Original) The integrated development tool of claim 1, further comprising a plurality of standardized Web Services Description Language documents, wherein each Web Services Description Language Document corresponds to a particular domain.

12. (Original) The integrated development tool of claim 1, wherein said at least one module is configured to generate program code to measure a quality of a communications link to the wireless, mobile device.

13. (Previously Presented) A method of constructing a server-side proxy for interacting with a wireless, mobile device comprising:

receiving user input specifying attributes of the server-side proxy;

automatically generating program code specifying an architecture for the server-side proxy according to the user specified attributes; and

providing a datagram packet application programming interface configured to enable an application developer to specify with the generated program code a length of fragmentation of a data string and to specify routing of fragmented data to a destination address and port number;

wherein the program code is generated by a plurality of modules, each module configured to generate code to perform a particular function of the server-side proxy.

14. (Original) The method of claim 13, said automatically generating step comprising generating program code to extract text from a markup language document.

15. (Original) The method of claim 13, said automatically generating step comprising generating program code to packetize data according to a type of wireless communications link over which the data is to be sent.

16. (Original) The method of claim 13, said automatically generating step comprising generating program code to convert images from a first graphics format to a second graphics format, wherein the second graphics format is suitable for transmission over a wireless communications link to the wireless, mobile device.

17. (Original) The method of claim 13, said automatically generating step comprising generating program code to receive a request originating from the mobile device and generate a hypertext transfer protocol request to an appropriate target.

18. (Original) The method of claim 13, said automatically generating step comprising generating program code to maintain user profiles within a data source accessible to the server-side proxy.

19. (Original) The method of claim 13, said automatically generating step comprising generating program code to manipulate data strings for encoding and decoding data.

20. (Original) The method of claim 13, further comprising searching a Universal Description, Discovery, and Integration registry.

21. (Original) The method of claim 13, said automatically generating step comprising generating program code to measure a quality of a communications link to the wireless, mobile device.

22. (Previously Presented) A system for constructing a server-side proxy for interacting with a wireless, mobile device comprising:

a combination of computer hardware and software, including a processor;

means communicatively linked to said combination for receiving user input specifying attributes of the server-side proxy;

means communicatively linked to said combination for automatically generating program code specifying an architecture for the server-side proxy according to the user specified attributes; and

a datagram packet application programming interface configured to enable an application developer to specify with the generated program code a length of

fragmentation of a data string and to specify routing of fragmented data to a destination address and port number.

23. (Original) The system of claim 22, said means for automatically generating program code further comprising means for generating program code to extract text from a markup language document.

24. (Original) The system of claim 22, said means for automatically generating program code further comprising means for generating program code to packetize data according to a type of wireless communications link over which the data is to be sent.

25. (Original) The system of claim 22, said means for automatically generating program code further comprising means for generating program code to convert images from a first graphics format to a second graphics format, wherein the second graphics format is suitable for transmission over a wireless communications link to the wireless, mobile device.

26. (Original) The system of claim 22, said means for automatically generating program code further comprising means for generating program code to receive a request originating from the mobile device and generate a hypertext transfer protocol request to an appropriate target.

27. (Original) The system of claim 22, said means for automatically generating program code further comprising means for generating program code to maintain user profiles within a data source accessible to the server-side proxy.

28. (Original) The system of claim 22, said means for automatically generating program code further comprising means for generating program code to manipulate data strings for encoding and decoding data.

29. (Original) The system of claim 22, further comprising means for searching a Universal Description, Discovery, and Integration registry.

30. (Original) The system of claim 22, said means for automatically generating program code further comprising means for generating program code to measure a quality of a communications link to the wireless, mobile device.

31. (Previously Presented) A machine readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

receiving user input specifying attributes of a server-side proxy for a wireless mobile device;

automatically generating program code specifying an architecture for the server-side proxy according to the user specified attributes; and

generating and providing to a system user a datagram packet application programming interface configured to enable an application developer to specify with the generated program code a length of fragmentation of a data string and to specify routing of fragmented data to a destination address and port number;

wherein the program code is generated by a plurality of modules, each module configured to generate code to perform a particular function of the server-side proxy.

32. (Original) The machine readable storage of claim 31, said automatically generating step comprising generating program code to extract text from a markup language document.

33. (Original) The machine readable storage of claim 31, said automatically generating step comprising generating program code to packetize data according to a type of wireless communications link over which the data is to be sent.

34. (Original) The machine readable storage of claim 31, said automatically generating step comprising generating program code to convert images from a first graphics format to a second graphics format, wherein the second graphics format is suitable for transmission over a wireless communications link to the wireless, mobile device.

35. (Original) The machine readable storage of claim 31, said automatically generating step comprising generating program code to receive a request originating from the mobile device and generate a hypertext transfer protocol request to an appropriate target.

36. (Original) The machine readable storage of claim 31, said automatically generating step comprising generating program code to maintain user profiles within a data source accessible to the server-side proxy.

37. (Original) The machine readable storage of claim 31, said automatically generating step comprising generating program code to manipulate data strings for encoding and decoding data.

38. (Original) The machine readable storage of claim 31, further comprising searching a Universal Description, Discovery, and Integration registry.

39. (Original) The machine readable storage of claim 31, said automatically generating step comprising generating program code to measure a quality of a communications link to the wireless, mobile device.